

ABSTRACT

The automated system includes a fluid dispenser having an applicator tip which is used to apply a fluid to an object. A compliance mechanism is utilized to assist in maintaining the applicator tip of the fluid dispenser in contact with the object during the coating operation. A robot can be utilized to advance the object past the applicator tip during the coating operation. The fluid dispenser is mounted on a movable arm to allow the fluid dispenser to be moved or rotated into and away from the position where fluid is applied to the object. The automated system provides a fluid application system that can apply a precise and repeatable layer of fluid to an object. The use of the robot allows larger objects to be easily handled and for the coating process to be done in a rapid fashion. The automated system is flexible and can readily accommodate changes in the object that is to be coated or the configuration of the coating that is to be applied to the object.